



**S/N 09/246,918**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Karl M. Robinson

Examiner: Unknown

Serial No.: 09/246,918

Group Art Unit: 2812

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Title: DEVICES HAVING IMPROVED CAPACITANCE AND METHODS OF  
THEIR FABRICATION

**PRELIMINARY AMENDMENT**

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

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FORN DEPT. OF COMMERCE

Before taking up the above identified application for examination, please enter the following amendments.

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**IN THE CLAIMS**

Please add new claims 54-75.

54. (New) A capacitor formed by a process comprising:  
forming a metal capacitor plate on a substrate assembly;  
applying a potential across the metal capacitor plate; and  
oxidizing at least a portion of the metal capacitor plate to form at least a portion of a dielectric layer.
55. (New) The capacitor of claim 54, wherein the substrate assembly is formed from silicon dioxide.
56. (New) The capacitor of claim 54, wherein the metal capacitor plate is formed from at least one metal selected from the group consisting of titanium, copper, gold, tungsten, and nickel.
57. (New) The capacitor of claim 56, wherein the at least one metal is alloyed with at least one additional metal selected from the group consisting of strontium, barium, and lead.